JC03 Rec'd PCT/PTO 25 MAR 2005

PTO-1390 (Rev. 02-2005)
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TRANSMITTAL LETTER TO DESIGNATED/ELECTED CONCERNING A SUBMISSION	63173 (70801) U.S. APPLICATION NO. (If known, see 37 CFR 1.5) 10/529429					
INTERNATIONAL APPLICATION NO.	INTERNATIONAL FILING DATE	PRIORITY DATE CLAIMED 27 September 2002				
PCT/JP2003/012304	26 September 2003	21 September 2002				
TITLE OF INVENTION OPTICAL PATH SWITCHING DEVICE						
	ji Minami					
		JS) the following items and other information:				
1. x This is a FIRST submission of items concerning a submission under 35 U.S.C. 371.						
2. This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371.						
3. This is an express request to begin national examination procedures (35 U.S.C. 371 (f)). The submission must include items (5), (6), (9) and (21) indicated below.						
4. The US has been elected (Article 31).						
5. x A copy of the International Application as filed (35 U.S.C. 371 (c)(2))						
a. x is attached hereto (required only if not communicated by the International Bureau).						
b. has been communicated by	the International Bureau.					
c. is not required, as the applic						
6. x An English language translation	Application of the International Application of filed (35.11.5 C, 371 (c)(2))					
a. x is attached hereto.						
b. has been previously submitted under 35 U.S.C. 154(d)(4).						
CI 4 () a stigned Application under DCT Article 19 (35 H S C 371 (c)(3))						
a. are attached hereto (required only if not communicated by the International Bureau).						
b. have been communicated by the International Bureau.						
the time limit for making such amendments has NOT expired.						
d. have not been made and will not be made.						
1	The state of the support to the element under PCT Article 19 (35 LLS C. 371 (c)(3))					
9. x An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).						
10. An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).						
Items 11 to 20 below concern docu						
	ement under 37 CFR 1.97 and 1.98.					
12. x An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.						
13. A preliminary amendment.						
14. An Application Data Sheet under 37 CFR 1.76.						
15. A substitute specification.						
16. A power of attorney and/or change of address letter.						
17. A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825.						
18. A second copy of the published International Application under 35 U.S.C. 154(d)(4).						
19. A second copy of the English	language translation of the internation	al application under 35 U.S.C. 154(d)(4).				
20. X Other items or information: PG	CT/RO/101; PCT/IB/210; International eturn Receipt Postcard	Application No. WO 2004/029712 A1; this				
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JC06 Rec'd PCT/PTO 25 MAR 2009

PTO-1390 (Rev. 02-2005)
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U.S. APPLICATION NO. (# known see 37 CFB 1.5) INTERNATIONAL APPLICATION NO.					ATTORNEY'S DOCKET NUMBER			
PC1/3F2003/012304								
The following fees have been submitted					CALC	JLATIONS	PTO USE ONLY	
21. x Basic national fee\$300					\$	300.00		
22. x Examination fee								
If International preli	If International preliminary examination report prepared by USPTO and all claims satisfy							
nervisions of BCT Article 33(1)-(4)					\$	200.00		
	All other situations							
23. x Search fee								
Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority								
International Search Report prepared and provided to the Office							500.00	
All other situations					\$ \$	1,000.00		
TOTAL OF 21, 22 and 23 = \$ 1,000.00 \$ 1,000.00 \$								
l seguence lis	ting or computer (orogram listine	a filed in an electronic	medium).	The fee is	1		
\$250 for eac	h additional 50 sh	eets of paper	or traction thereor.			 .		
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Surcharge of \$130	00 for furnishing	the oath or	declaration later tha	n 30 mont	hs	s		
from the earliest cla	med priority date	(37 CFR 1.49)2 (e)).			ļ * —		
CLAIMS	NUMBER		JMBER EXTRA		ATE	-	1,150.00	
Total claims		20 =	23	×	50.00	\$ \$	0.00	
Independent claim	· ·	-3=	0	X +	360.00	\$	360.00	
MULTIPLE DEPEN	DENT CLAIM(s)	(if applicable	OTAL OF ABOVE			\$	2,510.00	
TOTAL OF ABOVE CALCULATIONS =					\$	2,010.00		
Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.						0.540.00	<u> </u>	
SUBTOTAL =					\$	2,510.00		
Processing fee of	Processing fee of \$130.00 for furnishing the English translation later than 30 months							
from the earliest claimed priority date (37 CFR 1.492 (f)).					s	2,510.00		
E - f								
Fee for recording the enclosed assignment (37 CFR 1.21 (h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property								
TOTAL FEES ENCLOSED = \$						\$		
l						Amount		 \$
						Amoun	t to be	\$2.550.0
								\$2,550.0
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Linder the Done	nwork Reduction Act of	1995, no person are requi	red to n	U.S. Patent a spond to a collection	and Tradem of informat	ark Office; U.S. DEP. ion unless it displays	ARTMENT OF a valid OMB c	COMMERCE
Under the Paperwork Reduction Act of 1995, no person are required to n Effective on 12/08/2004.				Con	piete if Knowi	30-6-	- o c	
Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).		Application Num	<u> </u>		Not Net Asbigned 4 2 9			
FEE TRANSMITTAL		1	Filing Date		Concurrently Herewith			
For FY 2005		- 1	Thousand intolice			ohji Minami		
				Examiner Name		Not Yet Assign		
Applicant o	laims small entity sta	tus. See 37 CFR 1.27		Art Unit		Not Yet Assign		
TOTAL AMOUN	T OF PAYMENT	(\$) 2,550.00		Attorney Docket I	No.	63173 (70801)		
METHOD OF F	PAYMENT (check	all that apply)						
Check Credit Card Money Order None Other (please identify):								
	\	Number: 04-1105 Dep	J nosit Acc	ount Name:	E	dwards & Angel	II, LLP	
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x Cha	arge any additional (s) under 37 CFR	fee(s) or underpaym 1.16 and 1.17	en or	x Credit	any overp	payments		
FEE CALCUL	<u>`</u>							
	, SEARCH, AND I	XAMINATION FEES	3					
	F	ILING FEES	SE	ARCH FEES Small Entity	EXAMI	NATION FEES Small Entity		
Application Ty	pe F <u>ee (</u>	Small Entity \$) Fee (\$)	Fee (\$		Fee (\$)		Fees P	aid (\$)
Utility	300		500	250	200	100		
Design	200	100	100	50	130	65		
Plant	200	100	300	150	160	80		
Reissue	300	150	500	250	600	300		
Provisional	200	100	0	0	0	0		
2. EXCESS CLA	IM FEES						Fee (\$)	Small Entity Fee (\$)
Fee Description		,					50	25
Each claim over	20 (including Reint claim over 3 (including	ssues)					200	100
Multiple dependen		cluding Reissues)					360	180
1	Extra Claims	Fee (\$)	Fee	Paid (\$)	j	Multiple Depend	ent Claims	
Total Claims 29	. 20 = 9	x =]	ee (\$)	Fee Paid (\$	3)
								
Indep. Claims	Extra Claims	Fee (\$)	Fee	Paid (\$)				
1	-3=	× =						
3. APPLICATIO	N SIZE FEE	exceed 100 sheets of	fnanei	· (excluding elect	ronically	filed sequence or	computer	
listings und	er 37 CFR 1.52(e)), the application size	e fee d	ue is \$250 (\$125	for small	entity) for each a	additional 5	0
sheets or fra	action thereof. See	e 35 U.S.C. 41(a)(1)(G) and	137 CFK 1.16(s).	•			
Total Sheet	<u>Extra She</u>	eets <u>Number o</u>	f each	additional 50 or fra			Fee	Paid (\$)
50 - 100 = /50 (round up to a whole number) x =					Paid (\$)			
4. OTHER FEE(S) Fees Paid (\$)								
Non-English Specification, \$130 fee (no small entity discount) Other (o.g., late filing surpharge): 1631 Basic National Stage fee								
Other (e.g., late filing surcharge): 1631 Basic National Stage Examination Fee - all other 200.00								
		1632 National S	Stage	Search Fee - a	il other s	Ituations Issignment		00.00 10.00
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SUBMITTED BY								
Signature	.0	a. ? were =		Registration No. (Attorney/Agent)	27,84	O Telephone	(617) 51	17-5508
				[(Attorney/Agent)	·	Date	March 2	25, 2005
Name (Print/Type)	David A. Tucke	er						

Application No. (if known): Not Yet Assigned

Attorney Docket No.: 63173 (70801)

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MS PCT Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

on March 25, 2005

Date

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	nature
Kathryn A	A. Grindrod
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Each paper must have its own certificate of mailing, or this certificate must identify

each submitted paper.

Transmittal Letter to the United States Designated-Elected Office (4

pages)

Fee Transmittal (2 pages) Specification (43 pages) Claims (6 pages)

Claims (6 pages) Abstract (1 page)

Formal Drawings Figs. 1 - Figs. 14 (12 pages)

Executed Oath or declaration of the inventor(s) (4 pages)

PCT Request (PCT/RO/101)

International Search Report (PCT/ISA/210)

International Published Application No. WO 2004/029712 A1

Information Disclosure Statement (6 pages)
Form PTO/SB/08a/b (w/3 References) (1 page)
Assignment Recordation Form Cover Sheet (2 page)

Assignment (2 pages)

Authorization to charge \$2,550.00 to deposit account 04-1105

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